

I claim:

1. A system for controlling the operation of an electronic device by a user, comprising:
  - at least two transmitters in communication with said electronic device, wherein said transmitters are adapted to be worn on said user's fingers;
  - at least one receiver configured to receive signals from said two transmitters; and
  - a control module in communication with said receiver and configured to send control signals to said electronic device.
2. The system of Claim 1, wherein the electronic device comprises a computer system.
3. The system of Claim 1, wherein the control signals are cursor control signals.
4. The system of Claim 1, wherein the transmitters are configured to generate an identification signal.
5. The system of Claim 1, wherein each one of said transmitters is coupled to a ring.
6. The system of Claim 1, wherein said receiver is adapted to be in communication with a keyboard.
7. A method of generating control signals for controlling an electronic device comprising:
  - calculating a three dimensional location of each of at least two transmitters; and
  - generating a control signal based, at least in part, on changes to the location of at least one of the transmitters.
8. The method of Claim 7, wherein the changes to the location of at least one of the transmitters comprise changes in the location of the transmitter relative to at least one receiver.
9. The method of Claim 7, wherein the changes to the location of at least one of the transmitters comprise changes in the location of the transmitter relative to at least one other transmitter.
10. The method of Claim 7, further comprising:
  - receiving an identification signal from each of the at least two transmitters wherein the control signal is based, at least in part, on the identification signal.
11. The method of Claim 7, wherein the electronic device is a computer and the control signals control the position of a cursor on a computer display.

12. The method of Claim 7, the transmitters are adapted to be worn on a user's fingers.
13. The method of Claim 7, wherein the electronic device is a personal digital assistant.
14. The method of Claim 7, wherein calculating the three dimensional location comprises measuring a transit time of a signal from each of the at least two transmitters to each of at least three receivers.
15. The method of Claim 7, wherein generating the control signal is based, at least in part, on comparing the changes in location to a user-defined pattern.
16. A system for controlling an electronic device comprising:
  - at least two transmitters adapted to be worn on a user's fingers;
  - at least three receivers configured to receive a signal from the transmitters; and
  - a controller configured to generate a control signal based, at least in part, on changes to a location of at least one of the transmitterswherein the controller is configured to calculate the location of each of the transmitters based on a distance of each of the transmitters measured from each of the receivers.
17. The system of Claim 16, wherein the electronic device is a computer.
18. The system of Claim 16, wherein at least one of the receivers is mounted on said electronic device.
19. A system for controlling an electronic device comprising:
  - means for calculating a three dimensional location of at least two transmitters; and
  - means for generating a control signal based, at least in part, on changes in the location of at least one of the transmitters.
20. The system of Claim 19, wherein said electronic device is a computer.